

ANNUAL REPORT FOR 2005



**Wetland Site IV
Wayne County
TIP No. R-1030BB**



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SUMMARY

Wetland Site IV is located in Wayne County on the 117 Bypass. The site was designed as partial mitigation for wetland impacts associated with roadway project R-1030BB.

The mitigation encompasses approximately 0.24 acres total of wetland restoration. The restoration effort involved the removal of an abandoned roadway and monitoring the area to ensure that it achieves 80% aerial coverage of native vegetation. No hydrologic monitoring is required for this project.

After the first year of monitoring, Wetland Site IV shows by visual observation that the site has not achieved 80% aerial coverage of native vegetation.

NCDOT recommends planting this site and continuing monitoring.

1.0 INTRODUCTION

1.1 Project Description

Wetland Site IV is located at Station 246+00 on the 117 Bypass in Wayne County (Figure 1). The site consists of approximately 0.24 acres of mitigation for wetland impacts associated with project R-1030BB.

1.2 Purpose

In order for a mitigation site to be considered successful, a site must meet vegetation success criteria. This report details the vegetation monitoring in 2005 at Wetland Site IV. Hydrologic monitoring was not required for the site.

1.3 Project History

November 2005

Year 1 Monitoring

2.0 VEGETATION: WETLAND SITE IV (YEAR 1 MONITORING)

2.1 Success Criteria

Success Criteria states that the area where the abandoned roadway was removed must achieve 80% aerial coverage of native vegetation within one year of the date the fill material is removed. If not, this area must be planted with a mixture of species deemed appropriate by the Corps of Engineers.

2.2 Description of Species

There were no species planted in the restoration effort. The area was left to revegetate naturally.

2.3 Results of Vegetation Monitoring

The area where the abandoned roadway was removed will be planted with Green Ash, River Birch, and Swamp Chestnut Oak.

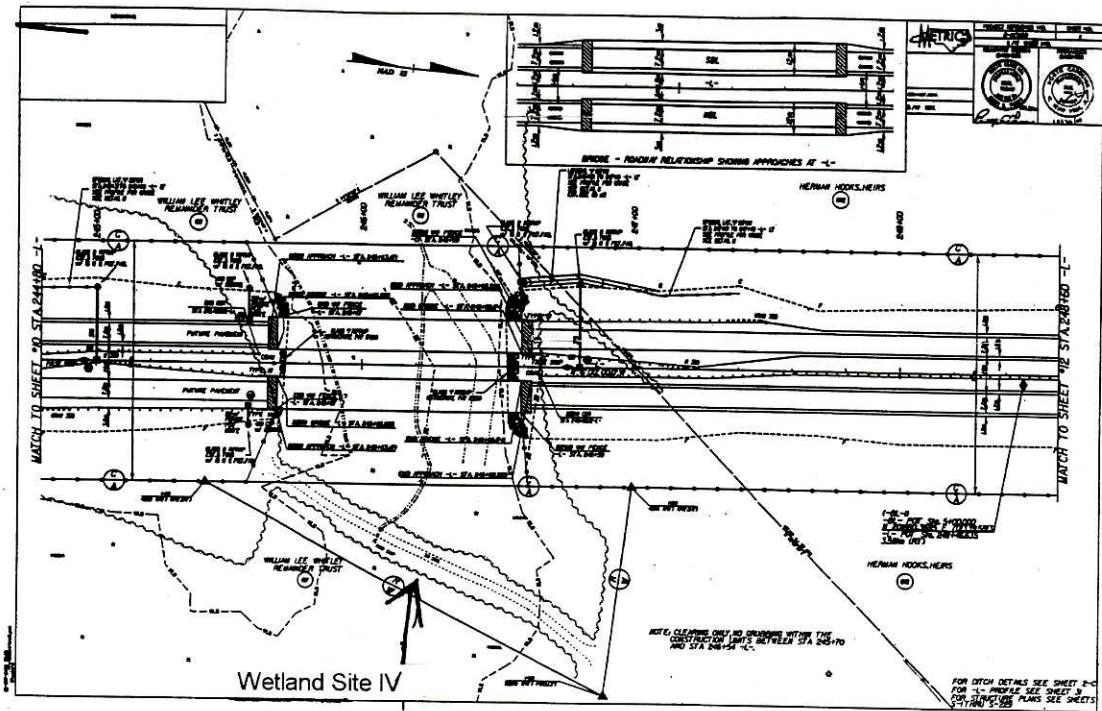
Site Notes: Other species noted include: dogwood, red maple, black willow, river birch, cattail, woolgrass, and various grasses.

2.4 Conclusions

There were approximately 0.24 acres of wetland restoration constructed on site. There were no plots established on the site. By visual observation Wetland Site IV shows that the site has not achieved 80% aerial coverage of native vegetation. The site will be planted in winter 2006.

3.0 Overall Conclusions and Recommendations

NCDOT will plant and continue monitoring Wetland Site IV on R-1030BB.



VICINITY MAP

FIGURE 1

R-1030BB

WAYNE COUNTY

APPENDIX A

SITE PHOTOS

Wetland Site IV



Photo 1

November 2005